**HN Algebra II** Name:

**Mrs. Britton**

**Transformations Practice #2** Date:

**Identify the transformation from the parent function  to each:**

1.  2. 

3.  4. 

5.  6. 

7.  8. 

**Identify the transformation from the parent function  to each:**

7. **** 8. ****

9. **** 10. ****

11.  12. 

**Write a new function using the transformation description from the parent function:**

13.  shifted left 2

14.  shifted down 3 and right 5

15.  shifted up 6

16.  shifted right 5 and up 2

17.  shifted left 1 and down 7 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18.  shifted right 1 and up 4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19.  shifted left 6 and down 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

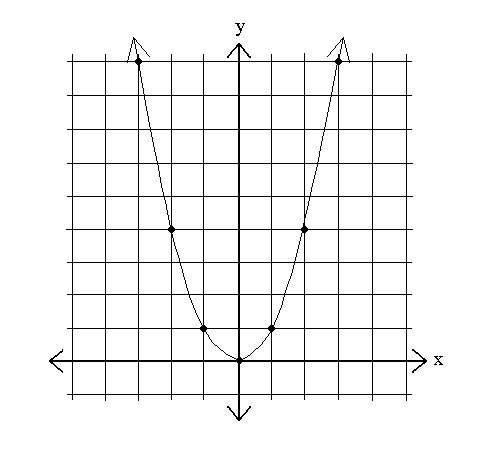
20. shifted left 8 and up 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

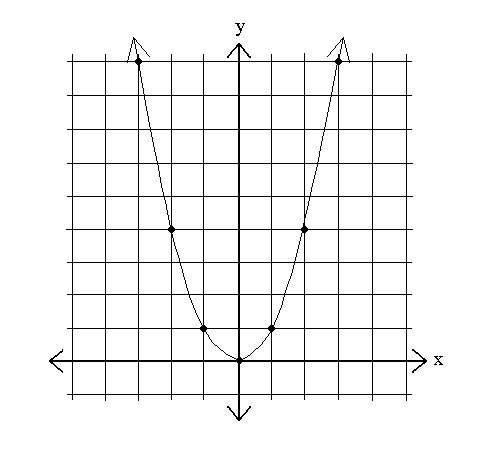
21. shifted left 10 and down 10 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Write a new function** *g* **using the transformation description and then plot the given points from the parent function to graph the new function.**

22.  23. 

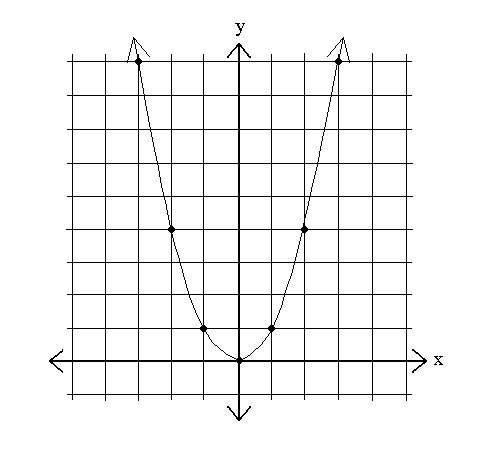
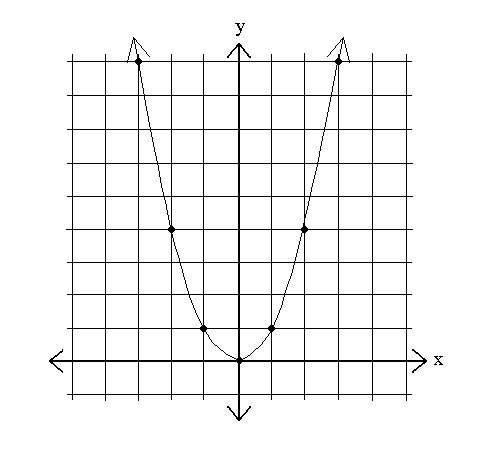
shifted up 2 units shifted left 3 and down 1



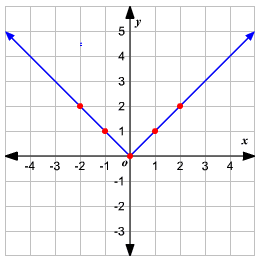
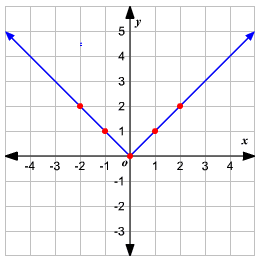


24.  25. 

shifted up 6 shifted right 2



26.  27. 

 shifted left 2 and down 3 shifted right 1

28.  29. 

Shifted left 3 and up 1 shifted right 1 and right 2

